

**CPC****COOPERATIVE PATENT CLASSIFICATION****F41B****WEAPONS FOR PROJECTING MISSILES WITHOUT USE OF  
EXPLOSIVE OR COMBUSTIBLE PROPELLANT CHARGE**

**WEAPONS NOT OTHERWISE PROVIDED FOR** ([projectiles for fishing](#), e.g. fish-spears, [A01K 81/00](#); sports implements for throwing [A63B 65/00](#), e.g. boomerangs [A63B 65/08](#); stationary apparatus for projecting sports balls, e.g. tennis balls, [A63B 69/40](#); throwing or slinging toys [A63H 33/18](#); knives, axes [B26B](#) ; projectiles or missiles other than those incorporating springs as projecting means [F42B 6/00](#))

**Guide heading:****F41B 1/00**

**Blow guns, i.e. tubes for impelling projectiles, e.g. peas or darts, by the force of the breath** ([pop guns A63H](#) )

**F41B 3/00**

**Sling weapons** ([throwing-apparatus for clay-pigeon or clay-disc targets F41J 9/18](#))

## F41B 3/005

- . {Catapults in pistol or rifle form having a cocking device, i.e. a mechanical device for holding the elastic band }

## F41B 3/02

- . Catapults, e.g. slingshots

## F41B 3/03

- . . Catapults having a pivotable launcher arm

## F41B 3/04

- . Centrifugal sling apparatus

**F41B 4/00**

**Friction-wheel operated launchers**

**F41B 5/00**

**Bows  
Crossbows**

## F41B 5/0005

- . { Single stave recurve bows }

## F41B 5/001

- . . { characterised by the material }

## F41B 5/0015

- . . . { fibre reinforced }

## F41B 5/0021

- . . . { laminated }

## F41B 5/0026

- . . { Take-down or foldable bows }

## F41B 5/0031

- . . . { Handle or riser units }

## F41B 5/0036

- . . . . { characterised by the material }

## F41B 5/0042

- . . . . . { fibre reinforced }

## F41B 5/0047

- . . . . . { laminated }

## F41B 5/0052

- . . . { Limbs }

## F41B 5/0057

- . . . . { characterised by the material }

## F41B 5/0063

- . . . . . { fibre reinforced }

## F41B 5/0068

- . . . . . { laminated }

- F41B 5/0073 . { Single stave non-recurve bows }
- F41B 5/0078 .. { characterised by the material }
- F41B 5/0084 ... { fibre reinforced }
- F41B 5/0089 ... { laminated }
  
- F41B 5/0094 . { Non-traditional bows, e.g. having hinged limbs or non-stave geometry }
  
- F41B 5/06 . Quivers
- F41B 5/063 .. { worn on the body of the archer }
- F41B 5/066 .. { mounted on the bow or crossbow }
  
- F41B 5/10 . Compound bows ( { compound crossbows [F41B 5/123](#) } )
- F41B 5/105 .. { Cams or pullies for compound bows }
  
- F41B 5/12 . Crossbows
- F41B 5/123 .. { Compound crossbows }
- F41B 5/126 .. { Repeating crossbows; crossbows with magazines }
  
- F41B 5/14 . Details of bows
  - Accessories for arc shooting ([sighting devices for bows F41G 1/467](#))
- F41B 5/1403 .. { Details of bows; camera's on bows [F41B 5/1492](#) }
- F41B 5/1407 ... { Bow-string silencing devices }
- F41B 5/1411 ... { Bow-strings }
- F41B 5/1415 .... { Nocking points }
- F41B 5/1419 .... { String mounted peep sights ([sights mounted on the bow itself F41G 1/467](#)) }
- F41B 5/1423 .... { Kissers }
- F41B 5/1426 ... { Bow stabilisers or vibration dampers }
- F41B 5/143 ... { Arrow rests or guides }
- F41B 5/1434 ... { Clickers or draw indicators }
- F41B 5/1438 ... { Buttons }
- F41B 5/1442 .. { Accessories for arc or bow shooting }
- F41B 5/1446 ... { Arrow fletching jigs }
- F41B 5/1449 ... { Bow tensioning devices; Bow presses; Rigs for bow assembly or maintenance }
- F41B 5/1453 ... { Stands, rests or racks for bows }
- F41B 5/1457 ... { Cases, bags or covers for bows }
- F41B 5/1461 ... { Devices for hands-free carrying of strung bows }
- F41B 5/1465 ... { Arrow pullers }
- F41B 5/1469 ... { Bow-string drawing or releasing devices ([F41B 5/1473](#) takes precedence) }
- F41B 5/1473 ... { Archer's finger tabs }
- F41B 5/1476 ... { Devices for archery training }
- F41B 5/148 ... { Accessories and tools for bow shooting not otherwise provided for }
- F41B 5/1484 .. { Bows with special adaptations or devices for special purposes }

- F41B 5/1488 . . . { with reels for fishing or arrow retrieval }
- F41B 5/1492 . . . { with cameras; mounting of cameras on bows }
- F41B 5/1496 . . . { with camouflage; Mounting of camouflage on bows }
  
- F41B 6/00** **Electromagnetic launchers;** {Plasma-actuated launchers (projectiles for electromagnetic or plasma guns [F42B 6/006](#)) }
  
- F41B 6/003 . {using at least one driving coil for accelerating the projectile, e.g. an annular coil }
- F41B 6/006 . { Rail launchers }
  
- F41B 7/00** **Spring guns** ( {[F41J 9/18](#) takes precedence; catapults having a cocking device [F41B 3/005](#) }; catapults [F41B 3/02](#); {throwing apparatus for boomerangs [A63B 65/08](#); spring-loaded devices for projecting sporting balls [A63B 69/407](#) } )
  
- F41B 7/003 . {Spring guns in pistol or rifle form }
- F41B 7/006 . {Adaptations for feeding or loading missiles from magazines }
- F41B 7/02 . the spring forming part of the missile or projectile
- F41B 7/025 . . {Rubber-band projecting guns }
- F41B 7/04 . adapted to discharge harpoons
- F41B 7/043 . . {Accessories therefor }
- F41B 7/046 . . . {Trigger mechanisms therefor }
- F41B 7/08 . Toy guns, {i.e. guns launching objects of the gliding type, e.g. airplanes, parachute missiles ([F41B 7/006](#) and [F41B 7/02](#) take precedence) }
  
- F41B 9/00** **Liquid ejecting guns, e.g. water pistols,** { devices ejecting electrically charged liquid jets, devices ejecting liquid jets by explosive pressure }
  
- F41B 9/0003 . { characterised by the pressurisation of the liquid (for launching torpedoes or stores from submarines [F41F 3/10](#)) }
- F41B 9/0006 . . { the liquid being pressurised prior to ejection }
- F41B 9/0009 . . . { the pressurised liquid being contained in an expandable chamber, e.g. a bladder or a chamber with a spring-loaded slidable wall }
- F41B 9/0012 . . . . { the gun having an unpressurised liquid reservoir }
- F41B 9/0015 . . . { the liquid being pressurised by compressed gas, e.g. air (pressurisation by explosion gases [F41B 9/0043](#)) }
- F41B 9/0018 . . . . { the gas being compressed utilising a manual piston pump }
- F41B 9/0021 . . . . { the gas being compressed by non-manual pumping means, e.g. an electric pump }
- F41B 9/0025 . . . . { the pressurised liquid and the compressed gas being physically separated from each other, e.g. by a movable wall }
- F41B 9/0028 . . . . { the gun having an unpressurised liquid reservoir }
- F41B 9/0031 . . { the liquid being pressurised at the moment of ejection }

- F41B 9/0034 . . . { Pressurisation by deformation of the gun body }
- F41B 9/0037 . . . { Pressurisation by a piston }
- F41B 9/004 . . . . { the piston movement being mechanically coupled to the trigger movement, e.g. the piston being part of the trigger }
- F41B 9/0043 . . . { Pressurisation by explosive pressure }
- F41B 9/0046 . . . . { Disruptors, i.e. for neutralising explosive devices }
- F41B 9/005 . . { the gun being connected to an external source of pressurised liquid during use of the gun, i.e. at least during ejection of the liquid }
- F41B 9/0053 . . . { the external source being a pressurised water supply system, e.g. the municipal water supply system or a water supply system onboard a ship }
- F41B 9/0056 . . . { the external source being open water and the pressure being generated by an intake travelling at high speed through the water }
  
- F41B 9/0059 . { characterised by the number or kind of pressure or storage chambers }
- F41B 9/0062 . . { the liquid being stored in the handle, grip or stock of the gun }
- F41B 9/0065 . . { with removable storage tanks }
- F41B 9/0068 . . { with more than one storage tank }
  
- F41B 9/0071 . { characterised by special valve arrangements }
  
- F41B 9/0075 . { characterised by special nozzle arrangements, e.g. for a swirling effect or a directional effect }
  
- F41B 9/0078 . { characterised by the gun housing, e.g. its shape or concealment }
- F41B 9/0081 . . { Special gun housing shapes, e.g. in the form of animals, airplanes, toys or figurines }
- F41B 9/0084 . . { Concealed gun housings, e.g. concealed nozzles in a garment }
  
- F41B 9/0087 . { characterised by the intended use, e.g. for self-defence, law-enforcement, industrial use, military purposes ([F41B 9/0046](#) takes precedence) }
- F41B 9/009 . . { for ejecting electrically charged jets }
- F41B 9/0093 . . { for riot control, e.g. water cannons therefor }
  
- F41B 9/0096 . { having means for mixing other agents with the liquid }

**F41B 11/00      Compressed-gas guns, e.g. air guns**  
**Steam guns**

- F41B 11/50 . Magazines for compressed-gas guns  
Arrangements for feeding or loading projectiles from magazines
- F41B 11/51 . . the magazine being an integral, internal part of the gun housing
- F41B 11/52 . . the projectiles being loosely held in a magazine above the gun housing, e.g. in a hopper
- F41B 11/53 . . . the magazine having motorised feed-assisting means

**WARNING**

This group is not complete pending reclassification; see also group [F41B 11/52](#)

- F41B 11/54 . . . the projectiles being stored in a rotating drum magazine
- F41B 11/55 . . . the projectiles being stored in stacked order in a removable box magazine, rack or tubular magazine
- F41B 11/56 . . . the magazine also housing a gas cartridge
- F41B 11/57 . . . Electronic or electric systems for feeding or loading ([F41B 11/53 takes precedence](#))
- F41B 11/60 . . . characterised by the supply of compressed gas
- F41B 11/62 . . . with pressure supplied by a gas cartridge
- F41B 11/64 . . . having a piston effecting a compressor stroke during the firing of each shot
- F41B 11/641 . . . the piston being hand operated
- F41B 11/642 . . . the piston being spring operated
- F41B 11/643 . . . the piston being arranged concentrically with the barrel
- F41B 11/644 . . . having an additional slidable mass moving in the opposite direction to the piston, e.g. for recoil reduction
- F41B 11/645 . . . the slidable mass being a compressor piston
- F41B 11/646 . . . Arrangements for putting the spring under tension
- F41B 11/647 . . . by a rocker lever
- F41B 11/648 . . . in breakdown air guns
- F41B 11/66 . . . having deformable bellows or chambers pressed during firing, e.g. by deformation of the body of the gun
- F41B 11/68 . . . the gas being pre-compressed before firing ([F41B 11/62 takes precedence](#))
- F41B 11/681 . . . Pumping or compressor arrangements therefor
- F41B 11/682 . . . Pressure accumulation tanks
- F41B 11/683 . . . operated by a rocker-lever system
- F41B 11/684 . . . in breakdown air guns
- F41B 11/70 . . . Details not provided for in [F41B 11/50](#) or [F41B 11/60](#)
- F41B 11/71 . . . Electric or electronic control systems, e.g. for safety purposes ([F41B 11/57 takes precedence](#))
- F41B 11/72 . . . Valves  
Arrangement of valves

### **WARNING**

Groups [F41B 11/721](#) to [F41B 11/724](#) are not complete pending reclassification; see also group [F41B 11/72](#)

- F41B 11/721 . . . for regulating gas pressure for both firing the projectile and for loading or feeding
- F41B 11/722 . . . for regulating gas pressure for loading or feeding only
- F41B 11/723 . . . for regulating gas pressure for firing the projectile only
- F41B 11/724 . . . for gas pressure reduction
- F41B 11/73 . . . Sealing arrangements  
Pistons
- F41B 11/80 . . . specially adapted for particular purposes

- F41B 11/81 . . for ejecting powder, e.g. pepper
- F41B 11/83 . . for launching harpoons
- F41B 11/85 . . for launching hypodermic projectiles

**WARNING**

This group is not complete pending reclassification; see also groups [F41B 11/50-F41B 11/724](#)

- F41B 11/87 . . for industrial purposes, e.g. for surface treatment

**WARNING**

This group is not complete pending reclassification; see also groups [F41B 11/50-F41B 11/724](#)

- F41B 11/89 . . for toys

**F41B 13/00**

**Thrusting-weapons** ([bayonets F41C 27/18](#))  
**Cutting-weapons carried as side-arms** ([training appliances for fencing A63B 69/02](#);  
[sheaths for hand cutting tools B26B 29/00](#); {firearms combined with thrusting or cutting  
 weapons [F41C 27/16](#) })

- F41B 13/02 . Sabres  
Cutlasses  
Swords  
Epees { ([toy swords A63H 33/009](#)) }

**NOTE**

Documents characterised by electric contact means for indicating hits in fencing are classified in [A63B 69/02](#)

- F41B 13/04 . . Sheaths or scabbards therefor; {[Wearing gear therefor](#) }
- F41B 13/06 . . . for concealment, e.g. swordsticks

- F41B 13/08 . Daggers  
Stiletos

- F41B 13/10 . Lances  
Pikes ([spears for sporting purposes A63B 65/02](#))

**F41B 15/00**

**Weapons not otherwise provided for** {e.g. nunchakus, throwing knives }

- F41B 15/02 . Batons  
Truncheons  
Sticks  
Shillelaghs

- F41B 15/022 . . {of telescopic type }

- F41B 15/025 . . . {the telescoping sections being locked by coaxing conical end surfaces, i.e. by friction }

- F41B 15/027 . . . {the telescoping sections being locked by an additional mechanical locking }

element }

- F41B 15/04 . . with electric stunning-means { (ejecting electrically charged liquid jets [F41B 9/00](#); electric shock creating harpoons [F42B 30/14](#); electric circuits or apparatus for killing or stunning [H05C](#) ) }
- F41B 15/06 . . with inserted knives or spikes
- F41B 15/08 . Knuckledusters
- F41B 15/10 . Bolas